

MAGNETIC LEVEL GAUGE / TRANSMITTER - MAGNETOSTRICTIVE				AS BELOW		D397-I-DS-1005	
PROJECT DESCRIPTION				GPS PROJECT No		PAGE	REV
GAS TREATMENT PROJECT				G-D-08-397		5 of 7	1
VENDOR		PURCHASE ORDER No.		REQUISITION NO.		SPECIFICATION No.	
GLOBAL PROCESS SYSTEMS INC							
CLIENT NAME		REV No	DATE	BY	CKD	APP.	DESCRIPTION
USENCO UKRAINE		A	17/7/2008	JCR			Issued for IDC
CLIENT'S REF.		0	13/8/2008	JCR			Issued for Enquiry
LOI/1547/2		1	30/10/2008	JCR			Issued for Purchase
ORIGINATOR	ORIG. DATE						
JCR	10/7/2008						
UNITS:- Pressure ☒ bar g ☐ kg/cm ² g ☐ kPa g ☐ psi g Dimensions: ☒ mm ☐ in. Temp ☒ °C ☐ °F							
1 INSTRUMENT TYPE MAGNETIC LEVEL GAUGE / MAGNETOSTRICTIVE LEVEL TRANSMITTERS - FLANGED							
2 QUANTITY 4 NOS. AS PER THE TAG LIST							
3 SERVICE LEVEL MEASUREMENT							
4 LEVEL GAUGE MODEL NO. 1-LG/LIT-122:- KM26S/SS6/W5F0EF0EB5/CST-WR21/N74/M1G/C/VV/DV/813MM 1-LG/LIT-129:- KM26S/SS6/W5F0EF0EB5/WR21/N74/CM1B/C/IL2/VV/DV/1000MM 1-LG/LIT-130:- KM26S/SS6/W5F0EF0EB5/CST-WR21/N74/M1G/C/VV/DV/650MM 1-LG/LIT-115:- KM26S/SS6/W5F0EF0EB5/CST-WR21/N74/M1G/C/H2/VV/DV/1219MM							
5 PROCESS CONNECTION FLANGE SIZE: 2"; MATERIAL : LTCS (A350 LF2) For 1-LG/LIT-122/130/115.							
6 CONNECTION SIDE / SIDE							
7 CHAMBER SIZE & RATING 1-LG/LIT-122:- SIZE 2" SCH 10; MATERIAL: SS 316 1-LG/LIT-129:- SIZE 2.5" SCH 10; MATERIAL: SS 316 1-LG/LIT-130:- SIZE 2.5" SCH 10; MATERIAL: SS 316 1-LG/LIT-115:- SIZE 2.5" SCH 10; MATERIAL: SS 316							
8 FLOAT SIZE & MATERIAL 1-LG/LIT-122:- MATERIAL: SS 316 1-LG/LIT-129:- MATERIAL: SS 316 1-LG/LIT-130:- MATERIAL: SS 316 1-LG/LIT-115:- MATERIAL: SS 316							
9 MAGNETIC LEVEL GAUGE SCALE SS316 SCALE							
10 TRANSMITTER MODEL NO. 1-LG/LIT-122:- AT200/BW/LA/R1/M4A/X/CEI/813MM 1-LG/LIT-129:- AT200/B/L9C/A/R1/M3/X/CEI/1000MM 1-LG/LIT-130:- AT200/BW/L9A/R1/M4A/X/CEI/650MM 1-LG/LIT-115:- AT200/BW/L9A/H2/M4A/X/CEI/1219MM							
11 TRANSMITTER OUTPUT 4-20mA + HART							
12 POWER SUPPLY 24VDC (Loop powered)							
13 CABLE ENTRY ISO M20							
14 INTEGRAL INDICATION REQUIRED REQUIRED, ANALOGUE METER (SUPPLIED BY OTHERS)							
15 VENT CONN 3/4" BALL VALVE (SW x NPT PLUGGED)							
16 DRAIN CONN. 3/4" BALL VALVE (SW x NPT PLUGGED)							
17 MFR K-TEK							
18 HAZARDOUS AREA ZONE-2, GAS GROUP-IIA, T3							
19 CLASSIFICATION IP67, INTRINSICALLY SAFE, DUAL COMPARTMENT ALUMINIUM							
20 ENCLOSURE PROTECTION							
21 ACCURACY +/- 0.01% OF FULL SCALE							
22 REPEATABILITY +/- 0.005% OF FULL SCALE							
23	24	25	26	27	28	29	30
TAG NO.	BOTTOM FLUID	CONN. SIZE (NB)	VIS. LENGTH (MM)	SP GR (BOTTOM FLUID)	C/C DIST. (MM)	OPERATING PRESS. (Barg)	DESIGN TEMP (°C)
1-LG/LIT-122	HC LIQUID	2"	813	0.694 to 0.737	813	3	14.8 to 45.7
1-LG/LIT-129	HC LIQUID	2"	1000	0.628 to 1.0	1000	0 to 4.0	-100 to 80.0
1-LG/LIT-130	HC LIQUID	2"	650	0.649 to 0.661	650	ATM	46.9 to 120.0
1-LG/LIT-115	CONDENSATE	2"	1350	0.647 to 0.713	1219	3.5	73.5 to 117.1
31 NOTES:-							
32 1. All instruments to be supplied with a SS 316 Name plate with Tag no. and Model no. permanently inscribed.							
33 2. Vessel connection flanges to ANSI B 16.5							
34 3. Documentation required : Dimensional Drawing, Material Certificates for Pressure Rating Parts, Hazardous Area Certificate, Calibration certificate and GOST R Certificate.							
35 4. All weld joints shall be radiographed 100%.							
36 5. Transmitter chamber shall be hydrotested for leaks after assembly							
37 6. Level transmitters shall be supplied with 3/4" Vent & Drain valves (Ball valves, SW x NPT Plugged)							
38 7. Level transmitters shall be suitable for an ambient temperature of -34 Deg.C.							
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Global Process Systems Inc.